

## PATENT ASSIGNMENT

Electronic Version v1.1  
 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
The Dow Chemical Company	08/14/2013
RECEIVING PARTY DATA	
Name:	Dow Global Technologies LLC (Formerly known as Dow Global Technologies Inc.)
Street Address:	2040 Dow Center
City:	Midland
State/Country:	MICHIGAN
Postal Code:	48674
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	12901305
CORRESPONDENCE DATA	
Fax Number:	8664966981
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>	
Phone:	651-760-3250
Email:	kim@ksjlaw.com
Correspondent Name:	Kimberly S. Jordahl
Address Line 1:	PO Box 517
Address Line 4:	Willernie, MINNESOTA 55090
ATTORNEY DOCKET NUMBER:	69036-US-NP TDCC TO DGT
NAME OF SUBMITTER:	Kimberly S. Jordahl
Signature:	/Kimberly S. Jordahl/
Date:	08/23/2013
Total Attachments: 3 source=69036-US-NP TDCC to DGTI 23AUG2013#page1.tif source=69036-US-NP TDCC to DGTI 23AUG2013#page2.tif source=69036-US-NP TDCC to DGTI 23AUG2013#page3.tif	

CH \$40.00 12901305

This Assignment 440 is in the ENGLISH language and has the same meaning in other languages with the same 440 number.

FORM 440

**We, ASSIGNOR, of:**

**THE DOW CHEMICAL COMPANY**  
**2030 Dow Center**  
**Midland, Michigan 48674**  
**United States of America**

an entity organized and existing under the laws of the State of the State of Delaware, United States of

**America** do hereby claim and declare that we hold the invention and all patent and other rights and powers obtainable or exercisable in respect thereof from the sole, true and first inventor(s):

Juergen Eiffler, Ystadweg 4, 21682 Stade, Germany, Citizen of Germany; Heinz Groenewald, Butendiek 18, 21714 Hammah, Germany, Citizen of Germany; Manfred Kokott, Vergissmeinnicht 13, 21682 Stade, Germany, Citizen of Germany; Thomas U. Luebbe, Lemmermannweg 13, 21684 Stade, Germany, Citizen of Germany; Peter Wenzel, St. Petri Platz 7, 21614 Buxtehude, Germany, Citizen of Germany; and Marcus Wobser, Haydnweg 1, 21682 Stade, Germany, Citizen of Germany by an Assignment dated: February 8, 2010; February 10, 2010; February 17, 2010 and April 14, 2010, respectively of an invention relating to and entitled:

## ISOTHERMAL MULTITUBE REACTORS AND PROCESSES INCORPORATING THE SAME

We do hereby declare, for good and valuable consideration, received, sell, assign, and transfer unto:

WE, the ASSIGNEE:

**DOW GLOBAL TECHNOLOGIES LLC(FORMERLY  
KNOWN AS DOW GLOBAL TECHNOLOGIES INC.)  
2040 Dow Center  
Midland, Michigan 48674  
United States of America**

an entity **organized and existing under the laws of the State of Delaware, United States of America** our entire right, title and interest throughout the world, in and to the invention and all rights and powers to make application for Letters Patent in its own name, or in the name of its nominee; and all rights and powers to file any reissue, divisional, continuing or substitute application and any corresponding applications in any and all countries, including all rights to claim priority under all International Conventions and Treaties in the name of said Assignee, and do hereby authorize said Assignee to insert here the Priority Number, Filing Date, and Filing Country

of the application on which the priority will be based; and in and to any Letters Patent that may be issued for said invention in any and all countries; and we do hereby agree to assist said Assignee in the prosecution of the said applications and in any interference, conflict, opposition or litigation which may arise involving said invention or the patent or patents thereon, and to execute any reissue, divisional, continuing or substitute application and assent to their making any applications in other countries corresponding to the above and below specifically identified application, as may be requested by said Assignee; and we do hereby authorize said Assignee to insert here the corresponding Application Number, Filing Date, and Filing Country

of the corresponding application in any country where that patent property must be entered for recordal of this Assignment; and we do hereby authorize and request that any such Letters Patent be issued to said Assignee in accordance herewith, and consent to the recordal of this Assignment being under covenant, not only that we have full power to make the same, but also that such assigned rights are not encumbered by any grant, license, or other right heretofore given.

Subscribed and Sworn by us at **Midland, Michigan 48674, USA**

this 19 day of August, 20 13

CORP.  
SEAL

**THE DOW CHEMICAL COMPANY**

By:

**DARRYL P. FRICKEY**  
Authorized Representative

Attach Notarial Certificate

Attach this Assignee Acceptance 660 to an ASSIGNMENT in the English language

**PATENT**  
**REEL: 031071 FRAME: 0416**

[illegible]

**PATENT**  
**REEL: 031071 FRAME: 0417**

This Assignee Acceptance 660 is in the ENGLISH language and has the same meaning in other languages with the same 660 number.

This Assignee Acceptance 660 is in the ENGLISH language and has the same meaning in other languages with the same 660 number.

FORM 660

**ASSIGNEE ACCEPTANCE**

WE, the ASSIGNEE: **DOW GLOBAL TECHNOLOGIES LLC(FORMERLY  
KNOWN AS DOW GLOBAL TECHNOLOGIES INC.)  
2040 Dow Center  
Midland, Michigan 48674  
United States of America**

hereby accept the ASSIGNMENT attached hereto which is dated: August 14, 2013

From, the ASSIGNOR:

**THE DOW CHEMICAL COMPANY  
2030 Dow Center  
Midland, Michigan 48674  
United States of America**

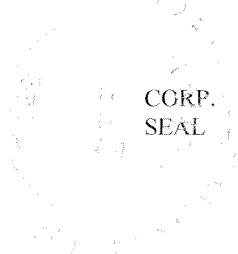
of the invention entitled:

**ISOTHERMAL MULTITUBE REACTORS AND PROCESSES INCORPORATING THE  
SAME**

without any restrictions and with all rights and obligations deriving therefrom and declare that this confirmation of acceptance shall be deemed a part of the said ASSIGNMENT.

Signed at Midland, Michigan 48674, USA

this 14 day of August, 20 13



**DOW GLOBAL TECHNOLOGIES LLC (FORMERLY  
KNOWN AS DOW GLOBAL TECHNOLOGIES INC.)**

By:

Susan M. Zerull  
**SUSAN M. ZERULL  
Authorized Representative**

**NOTARIAL CERTIFICATE**

UNITED STATES OF AMERICA )  
STATE OF MICHIGAN ) SS  
County/Parish of Midland )

On this 14 day of August, 20 13, personally appeared  
before me, **SUSAN M. ZERULL, Authorized Representative**,  
known or identified to me to be the individual described in and who executed the foregoing document  
and acknowledged the same as a free act and deed for uses and purposes therein expressed by  
authority of the said entity organized and existing under the laws of **the State of Delaware, United  
States of America.**

I further certify that said authority, dated **June 1, 2012**, is based on

**A delegation of signature authority of said Limited Liability Company**

which I have seen, appointing the said individual Authorized Representative with full power to sign  
the foregoing document on behalf of the said entity and that the purposes for which said document is  
granted are within the scope of the objects or activities of said entity.

SEAL

Kathy Sue Wertz  
**Kathy Sue Wertz**  
NOTARY PUBLIC, MIDLAND COUNTY, MICHIGAN  
MY COMMISSION EXPIRES APRIL 07, 2018